

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	"09943512".rlan. or ("09".src. and "943512".ap.)	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L4	11465349	@ad>"20010520" @rlad>"20010520" @pt1d>"20010520"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L5	157	257/621.ccls. not L4	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L6	6	L5 and (phs thermal adj via)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L7	2	L5 and (phs! thermal adj via)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L8	32	emitter and L5	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L9	121	L5 not (L8 L6 L7)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L10	1	(US-20020063311-\$).did.	US-PGPUB	OR	ON	2009/03/10 18:54
L11	1	(US-5343071-\$).did.	USPAT	OR	ON	2009/03/10 18:54
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L13	170	("3739463"   "3761782"   "3810129"   "3811117"   "3838501"   "3881884"   "3991296"   "3993917"   "4139401"   "4141135"   "4368016"   "4368106"   "4394712"   "4463336"   "4467518"   "4603341"   "4612083"   "4628174"   "4722130"   "4729971"   "4769738"   "4807021"   "4822755"   "4842669"   "4842699"   "4897708"   "4954458"   "4978639"   "4996587"   "5024970"   "5064771"   "5071792"   "5135878"   "5160987"   "5166097"   "5191405"   "5225771"   "5229467"   "5259924"   "5268326"   "5270261"   "5307942"   "5309318"   "5313097"	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54

		"5314844"   "5322816"   "5323035"   "5340771"   "5380681"   "5399898"   "5414637"   "5426566"   "5453404"   "5463246"   "5466634"   "5467305"   "5468663"   "5472914"   "5478781"   "5489554"   "5494832"   "5502233"   "5502333"   "5502667"   "5504036"   "5506753"   "5517057"   "5517754"   "5532519"   "5550942"   "5561622"   "5563086"   "5567653"   "5567654"   "5571754"   "5596226"   "5627106"   "5646067"   "5654127"   "5656553"   "5691248"   "5707485"   "5766984"   "5824595"   "5843844"   "5846879"   "5851845"   "5888882"   "5888883"   "5979475"   "5998292"   "6004867"   "6083811"   "6121119"   "6162701"   "6176966"   "6184060").PN. OR ("6184060"   "6420209"   "6639303").URPN.				
L14	105	L13 not L12	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L15	83	(heat\$8 thermal\$8) and L14	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L16	225	("4545610").PN. OR ("4807021").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L17	85	L16 not (L12 L15)	US_PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L18	80	(heat\$8 thermal\$8) and L17	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
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L20	96	({"3582723"   "3878550"   "4182636"   "4521448"   "4625391"   "4782030"   "4998151"   "5003370"   "5098638"   "5100812"   "5198885"   "5408118"   "5426565"   "5438212"   "5444300"   "5450046"   "5482893"   "5486980"   "5506755"   "5521410"   "5532512"   "5663099"   "5672920"   "5694301"   "5708566"   "5708579"   "5734193"   "5740015"   "5757151"   "5761028"   "5776813"   "5804761"   "5828554"   "5872393"   "5923085"   "5936422"   "6002147"   "6306680"   "6376898"   "6377464"   "6392217"   "6479844"   "6501172"   "6528882"   "6593605"   "6603157").PN.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
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L22	9	(("5003370") or ("1077494")).PN.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/10 18:54
L23	1	(EP-1077494-\$).did.	EPO	OR	ON	2009/03/10 18:54
L24	0	phs with thermal adj via not L4	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54

L25	12	phs and thermal adj via not L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L26	4	"10294246"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L27	10	"10294246" "05335292" "07221051"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L28	20	("3559855"   "5753537"   "5919713"   "6013534"   "6221751").PN. OR ("6492195").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L29	5	L28 not L4	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L30	157	257/621.ccls. not L4	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L31	6	L5 and (phs thermal adj via)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L32	2	L5 and (phs! thermal adj via)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L33	32	emitter and L5	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L34	7369	shirakawa.in. not L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L35	43	shirakawa-kazuhiko.in. not L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L36	1	"09943512".rlan. or ("09".src. and "943512".ap.)	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L37	1	(conventional\$ prior art known pat jp us foreign patent reference incorporated) and L36	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L38	1	board and L36	US-PGPUB	OR	ON	2009/03/10 18:54
L39	1	(US-20020063311-\$).did.	US-PGPUB	OR	ON	2009/03/10 18:54
L40	1	(heat\$ thermal\$) and L39	US-PGPUB	OR	ON	2009/03/10 18:54

L41	1	(heat\$8 thermal\$8) and L39	US_PGPUB; USPAT; FFPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
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L43	60	siniaguine.in. not L12	US_PGPUB; USPAT; FFPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L44	11	thermal adj via near5 align\$ not L12	US_PGPUB; USPAT; FFPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L45	477	thermal adj via not L12	US_PGPUB; USPAT; FFPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
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L52	83	(heat\$ thermal\$) and L14	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L53	225	("4545610").PN. OR ("4807021").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L54	85	L16 not (L12 L15)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/10 18:54
L55	1	"09943512".rlan. or ("09".src. and "943512".ap.)	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L56	1	through adj hole with board and L55	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L57	1	"4" with board and L55	US-PGPUB; USPAT; USOOR; DERWENT	OR	ON	2009/03/10 18:54
L58	959	(OSONE-YASUO NAKAZATO-NORIO COBU-I SAO YAMASHITA-KIICHI MORI YAMA-SHI NJI TSUTSUI-TAKAYUKI HI BI NO-MI TSUAKI KUSANO-CHUSHIRO UMEMOTO-YASUNARI).in.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L59	101	entire adj areas with orthogonal	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L60	1	L58 and L59	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54

L61	3	emitter and L59	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L62	23	sink and L58	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L63	96	("3582723"   "3878550"   "4182636"   "4521448"   "4625391"   "4782030"   "4998151"   "5003370"   "5098638"   "5100812"   "5198885"   "5408118"   "5426565"   "5438212"   "5444300"   "5450046"   "5482893"   "5486980"   "5506755"   "5521410"   "5532512"   "5663099"   "5672920"   "5694301"   "5708566"   "5708579"   "5734193"   "5740015"   "5757151"   "5761028"   "5776813"   "5804761"   "5828554"   "5872393"   "5923085"   "5936422"   "6002147"   "6306680"   "6376898"   "6377464"   "6392217"   "6479844"   "6501172"   "6528882"   "6593605"   "6603157").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54
L64	35	(US-20010005043-\$ or US-20020063311-\$ or US-20020171138-\$ or US-20020115290-\$).did. or (US-7221051-\$ or US-6492195-\$ or US-6268654-\$ or US-6117705-\$ or US-5919713-\$ or US-6455945-\$ or US-5343071-\$ or US-3577037-\$ or US-6633075-\$ or US-6528882-\$ or US-5708566-\$ or US-6639303-\$ or US-6498381-\$ or US-6420209-\$ or US-6184060-\$ or US-5646067-\$ or US-5567654-\$ or US-5463246-\$ or US-5270261-\$ or US-5166097-\$ or US-4897708-\$ or US-4807021-\$ or US-6809421-\$).did. or (US-3462650-\$).did. or (EP-1077494-\$).did. or (JP-07221051-\$ or JP-05335292-\$ or JP-2000156430-\$ or JP-	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/03/10 18:54

		2000031322-\$).did. or (JP-07221051-\$ or JP-05335292-\$).did.				
L65	33	L64 not L63	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 18:54

3/10/2009 6:58:28 PM

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